



U. S. Department of Commerce  
Economics and Statistics Administration  
BUREAU OF THE CENSUS

# Manufacturers' Shipments, Inventories, and Orders

**October 1996**

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**Note: All figures in text are in seasonally adjusted current dollars**

## Summary

New orders for manufactured goods in October increased \$2.8 billion or 0.9 percent to \$321.3 billion, the Department of Commerce, Bureau of the Census reported today. This follows a 2.6 percent September increase and is the seventh increase this year. Excluding transportation, new orders increased 2.3 percent, following a 0.3 percent September increase. Year to date, new orders are 5.0 percent above the same period a year ago.

Shipments, up for the fourth consecutive month, increased \$0.3 billion or 0.1 percent to \$315.4 billion, following a 0.7 percent September increase. Year to date, shipments are 4.1 percent above the same period a year ago.

Unfilled orders, up five of the last six months, increased \$5.9 billion or 1.2 percent to \$511.1 billion, following a 0.7 percent September increase. The unfilled orders-to-shipments ratio was 2.97, up from 2.91 in September.

Inventories, up for the fourth consecutive month, increased \$1.2 billion or 0.3 percent to \$437.9 billion, following a 0.2 percent September increase. The inventories-to-shipments ratio was 1.39, unchanged from September.

## New Orders

New orders for manufactured durable goods in October increased \$0.5 billion or 0.3 percent to \$174.4 billion, revised from the previously published 0.1 percent increase. This follows a 4.5 percent September increase and is the third increase in the last four months.

Electronic and other electrical equipment, up four of the last five months, had the largest increase, \$4.6 billion or 17.2 percent to \$31.2 billion, mostly due to electronic components and communication equipment. This follows a 0.2 percent September increase. Instruments and related products, up for the first month since July, increased \$0.3 billion or 2.3 percent to \$12.3 billion, following a 0.7 percent September decline. Transportation equipment decreased \$3.4 billion or 7.7 percent to \$41.2 billion, with all component industries declining. This follows a 19.0 percent September increase and is the fourth decrease in the last five months. Industrial machinery and equipment, down for the third consecutive month, decreased \$0.5 billion or 1.4 percent to \$31.8 billion. This follows a 0.2 percent September decrease. Fabricated metal products, down for the first month since June, decreased \$0.3 billion or 1.9 percent to \$17.9 billion. Primary metals, down for the third consecutive month, decreased \$0.1 billion or 0.6 percent to \$14.5 billion, following a 3.7 percent September decline.

New orders for nondurable goods, up for the seventh month this year, increased \$2.2 billion or 1.5 percent to \$146.9 billion, following a 0.3 percent September increase. Petroleum and coal products, chemicals and allied products, and food and kindred products had the largest increases.

## Shipments

Shipments of durable goods in October, down for the first month since June, decreased \$1.9 billion or 1.1 percent to \$168.8 billion, revised from the previously published 1.2 percent decline. This follows a 1.3 percent September increase.

Transportation equipment, down for the first month since June, had the largest decrease, \$1.9 billion or 4.8 percent to \$38.9 billion; led by motor vehicles and parts, all component industries declined. This follows a 2.6 percent September increase. Industrial machinery and equipment, down for the first month since July, decreased \$0.5 billion or 1.6 percent to \$32.0 billion, following a 1.5 percent September increase. Fabricated metal

products declined \$0.1 billion or 0.8 percent to \$17.6 billion, following a 0.1 percent September decline. Electronic and other electrical equipment increased \$0.3 billion or 1.2 percent to \$27.5 billion, the fifth increase in the last six months. Stone, clay, and glass products, up for the first month since July, increased \$0.3 billion or 3.8 percent to \$7.2 billion. Primary metals increased \$0.2 billion or 1.3 percent to \$15.0 billion, following a 0.5 percent September decrease.

Shipments of nondurable goods, up for the eighth month this year, increased \$2.1 billion or 1.5 percent to \$146.6 billion, following a 0.1 percent September increase. Petroleum and coal products, up for the fourth consecutive month, increased \$1.0 billion or 6.2 percent to \$16.8 billion, following a 4.3 percent September increase. Chemicals and allied products increased \$0.7 billion or 2.1 percent to \$32.2 billion. This follows a 0.4 percent September increase. Food and kindred products increased \$0.6 billion or 1.6 percent to \$39.2 billion, following a 1.1 percent September decline.

## Unfilled Orders

Unfilled orders for durable goods in October increased \$5.5 billion or 1.1 percent to \$486.5 billion, unrevised from the previously published 1.1 percent increase. This follows a 0.7 percent September increase and is the fifth increase in the last six months.

Electronic and other electrical equipment had the largest increase, \$3.7 billion or 7.5 percent to \$52.9 billion, following a 1.1 percent September decline. Transportation equipment, up five of the last six months, increased \$2.3 billion or 0.9 percent to \$246.0 billion; a large increase in aircraft and parts more than offset declines in the remaining segments. This follows a 1.6 percent September increase. Fabricated metal products, up for the ninth consecutive month, increased \$0.2 billion or 0.9 percent to \$23.2 billion. Primary metals decreased \$0.4 billion or 1.4 percent to \$31.1 billion, following a 0.5 percent September decrease. Instruments and related products, down for the sixth consecutive month, decreased \$0.3 billion or 0.7 percent to \$46.3 billion. Industrial machinery and equipment decreased \$0.2 billion or 0.2 percent to \$72.7 billion, following a 0.3 percent September decrease.

## Inventories

Inventories of durable goods in October increased \$0.7 billion or 0.2 percent to \$277.0 billion, the fourth consecutive monthly increase. Instruments and related products, up for the fourth consecutive month, increased \$0.3 billion or 1.3 percent to \$25.4 billion. Transportation equipment, up nine of the last ten months, increased \$0.3 billion or 0.5 percent to \$67.8 billion. This follows a 0.6 percent September increase. Electronic and other electrical equipment, up for the third consecutive month, increased \$0.1 billion or 0.2 percent to \$41.2 billion. Primary metals, down for the first month since July, decreased \$0.1 billion or 0.4 percent to \$23.8 billion, following a 1.0 percent September increase.

Inventories of nondurable goods, up for the third consecutive month, increased \$0.5 billion or 0.3 percent to \$160.9 billion, following a 0.4 percent September increase. The largest increases were in printing, publishing, and allied industries; tobacco products; and chemicals and allied products.

By stage of fabrication, October finished goods increased 0.8 percent in durables and decreased 0.1 percent in nondurables. Work in process increased 0.6 percent in durables and 0.4 percent in nondurables. Materials and supplies decreased 0.8 percent in durables and increased 0.8 percent in nondurables.

**Our internet address is <http://www.census.gov/ftp/pub/indicator/www/m3prel.html>**

The advance report on durable goods for November is scheduled for December 27, 1996 at 8:30 a.m. and the full report on January 7, 1997 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is available on the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870).

**Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS**  
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted <sup>1</sup>						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Oct. 1996 <sup>p</sup>	Sept. 1996 <sup>r</sup>	Aug. 1996	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1996 <sup>p</sup>	Sept. 1996 <sup>r</sup>	Aug. 1996	Oct. 1995		1996 <sup>p</sup>	1995
											Oct. 96/95		
All manufacturing industries . . . . .	315,417	315,160	312,847	+0.1	+0.7	+0.1	323,892	335,330	315,225	308,358	+5.0	3,088,523	2,967,457
Manufacturing Industries													
with unfilled orders . . . . .	172,332	173,404	172,312	-0.6	+0.6	+0.4	175,614	187,408	171,965	170,336	+3.1	1,699,039	1,640,024
without defense capital goods . . . . .	309,723	309,074	306,910	+0.2	+0.7	+0.1	318,307	328,701	309,430	302,548	+5.2	3,030,116	2,907,732
Durable goods industries . . . . .	168,826	170,705	168,471	-1.1	+1.3	+0.4	172,852	183,299	166,500	165,231	+4.6	1,654,503	1,584,934
With unfilled orders . . . . .	136,720	137,532	136,304	-0.6	+0.9	+0.6	138,559	149,173	134,496	132,625	+4.5	1,340,550	1,281,390
Stone, clay, and glass products . . . . .	7,160	6,895	6,904	+3.8	-0.1	-2.8	7,819	7,480	7,475	6,954	+12.4	69,613	63,349
Primary metals . . . . .	14,961	14,775	14,845	+1.3	-0.5	-1.6	15,366	15,217	14,886	15,640	-1.8	149,923	155,706
Blast furnaces, steel mills . . . . .	6,184	6,200	6,166	-0.3	+0.6	-1.5	6,394	6,360	6,192	6,514	-1.8	62,110	63,816
Iron and steel foundries . . . . .	1,419	1,438	1,434	-1.3	+0.3	-6.9	1,504	1,512	1,477	1,368	+9.9	14,141	13,033
Nonferrous and other primary metals . . . . .	7,358	7,137	7,245	+3.1	-1.5	-0.6	7,468	7,345	7,217	7,758	-3.7	73,672	78,857
Fabricated metal products . . . . .	17,648	17,790	17,812	-0.8	-0.1	+1.5	18,632	18,720	18,285	17,685	+5.4	174,813	166,723
Industrial machinery and equipment . . . . .	31,990	32,526	32,037	-1.6	+1.5	+1.2	30,938	35,774	29,970	29,399	+5.2	314,438	290,309
Engines and turbines . . . . .	1,676	1,673	1,634	+0.2	+2.4	-6.4	1,520	2,051	1,431	1,588	-4.3	16,514	17,231
Farm and garden machinery . . . . .	1,905	2,001	1,952	-4.8	+2.5	+1.8	1,808	1,794	1,585	1,574	+14.9	19,357	17,897
Construction, mining and material handling equipment . . . . .	3,675	3,684	3,608	-0.2	+2.1	+0.3	3,657	3,678	3,459	3,378	+8.3	35,941	33,026
Metalworking machinery . . . . .	3,181	3,191	3,203	-0.3	-0.4	+1.3	3,490	3,555	3,042	3,559	-1.9	30,993	29,787
Computer and office equipment . . . . .	8,711	9,036	8,977	-3.6	+0.7	+4.6	7,605	11,446	7,999	7,291	+4.3	83,780	74,050
Electronic and other electrical equipment . . . . .	27,511	27,190	26,637	+1.2	+2.1	+0.2	27,887	30,264	26,083	26,232	+6.3	264,011	244,427
Electrical transmission and distribution equipment and industrial apparatus . . . . .	3,201	3,189	3,155	+0.4	+1.1	-0.1	3,109	3,592	3,114	2,902	+7.1	31,293	30,872
Household appliances . . . . .	2,050	1,991	2,000	+3.0	-0.4	-0.6	2,056	2,115	2,102	2,008	+2.4	20,435	19,557
Electric lighting and wiring equipment . . . . .	2,026	2,054	2,063	-1.4	-0.4	+1.3	2,014	2,233	2,044	1,963	+2.6	19,991	19,436
Household audio and video equipment . . . . .	1,289	1,321	1,321	-2.4	0.0	+3.9	1,768	1,635	1,414	1,675	+5.6	12,425	11,275
Communications equipment . . . . .	6,236	6,251	6,027	-0.2	+3.7	-1.5	5,950	7,016	5,382	5,282	+12.6	57,162	49,506
Electronic components . . . . .	10,739	10,439	10,046	+2.9	+3.9	+0.8	10,750	11,530	10,042	10,194	+5.5	103,043	94,774
Transportation equipment . . . . .	38,880	40,819	39,771	-4.8	+2.6	+1.3	40,412	42,640	38,837	39,309	+2.8	382,724	376,161
Motor vehicles and parts . . . . .	27,547	28,558	28,046	-3.5	+1.8	-1.7	29,460	29,487	27,540	28,918	+1.9	271,876	264,024
Aircraft, missiles, space vehicles, and parts . . . . .	8,596	9,085	9,048	-5.4	+0.4	+11.3	8,165	9,788	8,631	7,710	+5.9	81,985	83,114
Shipbuilding and tanks . . . . .	750	862	754	-13.0	+14.3	-9.8	710	920	735	767	-7.4	8,205	8,353
Instruments and related products . . . . .	12,620	12,549	12,643	+0.6	-0.7	-1.0	12,300	13,545	12,416	11,816	+4.1	123,839	119,163
Search and navigation equipment . . . . .	2,496	2,419	2,536	+3.2	-4.6	-0.3	2,347	2,649	2,507	2,349	-0.1	24,734	25,259
Measuring and controlling devices . . . . .	3,825	3,778	3,838	+1.2	-1.6	+1.5	3,722	4,067	3,801	3,637	+2.3	37,434	36,067
Medical instruments and supplies . . . . .	4,112	4,160	4,030	-1.2	+3.2	+0.4	3,931	4,465	3,964	3,499	+12.3	39,431	36,470
Photographic goods . . . . .	1,793	1,805	1,856	-0.7	-2.7	-8.7	1,911	1,955	1,756	1,988	-3.9	18,478	17,965
All other durable goods . . . . .	18,056	18,161	17,822	-0.6	+1.9	+0.3	19,498	19,659	18,548	18,196	+7.2	175,142	169,096
Nondurable goods industries . . . . .	146,591	144,455	144,376	+1.5	+0.1	-0.2	151,040	152,031	148,725	143,127	+5.5	1,434,020	1,382,523
With unfilled orders . . . . .	35,612	35,872	36,008	-0.7	-0.4	-0.5	37,055	38,235	37,469	37,711	-1.7	358,489	358,634
Food and kindred products . . . . .	39,239	38,620	39,046	+1.6	-1.1	-0.2	40,930	40,977	39,800	38,985	+5.0	384,543	364,774
Meat products . . . . .	9,003	8,862	9,236	+1.6	-4.0	+2.1	9,381	9,315	9,523	9,178	+2.2	89,667	84,844
Dairy products . . . . .	5,035	5,018	5,014	+0.3	+0.1	+0.9	4,995	5,175	5,093	4,610	+8.4	48,282	45,167
Beverages . . . . .	5,592	5,651	5,635	-1.0	+0.3	-2.6	5,407	5,798	6,138	5,286	+2.3	56,780	53,469
All other foods, except fats and oils . . . . .	17,482	16,998	17,165	+2.8	-1.0	-1.3	19,020	18,598	17,050	17,967	+5.9	170,200	163,543
Tobacco products . . . . .	2,914	2,827	2,868	+3.1	-1.4	+0.1	2,920	2,728	3,020	2,643	+10.5	27,592	26,320
Textile mill products . . . . .	6,427	6,494	6,427	-1.0	+1.0	-1.6	6,737	7,253	6,849	6,712	+0.4	64,944	66,491
Broadwoven fabrics and other textiles . . . . .	3,903	3,972	3,949	-1.7	+0.6	-0.7	3,938	4,420	4,169	3,997	-1.5	39,611	40,805
Paper and allied products . . . . .	13,271	13,237	13,246	+0.3	-0.1	-1.8	13,485	13,667	13,577	14,571	-7.5	135,384	144,176
Pulp, paper, and paperboard mill products . . . . .	5,329	5,336	5,291	-0.1	+0.9	-1.5	5,350	5,477	5,412	6,284	-14.9	54,643	63,774
Paperboard containers and boxes . . . . .	3,409	3,431	3,387	-0.6	+1.3	-0.6	3,525	3,513	3,489	3,757	-6.2	34,944	36,930
Miscellaneous converted paper products . . . . .	4,533	4,470	4,568	+1.4	-2.1	-2.9	4,610	4,677	4,676	4,530	+1.8	45,797	43,472
Chemicals and allied products . . . . .	32,160	31,487	31,370	+2.1	+0.4	-0.4	31,657	32,498	31,371	29,494	+7.3	311,211	300,907
Industrial chemicals . . . . .	15,606	15,423	15,537	+1.2	-0.7	+0.9	15,356	15,651	15,754	15,044	+2.1	154,464	157,877
Drugs, soaps, and toiletries . . . . .	12,188	11,833	11,535	+3.0	+2.6	-1.6	12,639	13,197	11,689	11,099	+13.9	114,637	104,449
Petroleum and coal products . . . . .	16,790	15,814	15,156	+6.2	+4.3	+2.6	16,911	16,243	15,902	12,753	+32.6	150,920	128,485
Rubber and plastics products . . . . .	11,775	11,794	11,860	-0.2	-0.6	-1.8	12,169	12,285	12,160	12,324	-1.3	119,772	121,355
All other nondurable goods . . . . .	24,015	24,182	24,403	-0.7	-0.9	+0.6	26,231	26,380	26,046	25,645	+2.3	239,654	230,015

<sup>p</sup> Preliminary. <sup>r</sup> Revised.

<sup>1</sup> Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

See note at end of table 2 relating to survey variability.

**Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS**  
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted <sup>1</sup>						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Oct. 1996 <sup>p</sup>	Sept. 1996 <sup>r</sup>	Aug. 1996	Sept.- Oct.	Aug.- Sept.	July-Aug.	Oct. 1996 <sup>p</sup>	Sept. 1996 <sup>r</sup>	Aug. 1996	Oct. 1995		1996 <sup>p</sup>	1995
All manufacturing industries . . . . .	321,291	318,515	310,575	+0.9	+2.6	-2.1	331,242	333,522	311,139	310,080	+6.8	3,121,472	2,972,530
Manufacturing industries													
with unfilled orders . . . . .	178,206	176,759	170,040	+0.8	+4.0	-3.7	182,964	185,600	167,879	172,058	+6.3	1,731,988	1,645,097
without defense capital goods . . . . .	316,496	313,266	305,674	+1.0	+2.5	-2.2	326,480	327,949	307,310	304,626	+7.2	3,062,469	2,918,711
Durable goods industries . . . . .	174,351	173,811	166,267	+0.3	+4.5	-3.6	180,742	181,983	162,706	168,310	+7.4	1,686,343	1,590,841
With unfilled orders . . . . .	142,245	140,638	134,100	+1.1	+4.9	-4.3	146,449	147,857	130,702	135,704	+7.9	1,372,390	1,287,297
Stone, clay, and glass products . . . . .	7,047	7,137	6,776	-1.3	+5.3	-0.2	7,402	7,613	7,417	6,608	+12.0	69,153	63,582
Primary metals . . . . .	14,524	14,619	15,177	-0.6	-3.7	-3.9	14,509	14,179	14,773	15,510	-6.5	150,938	154,009
Blast furnaces, steel mills . . . . .	6,111	6,220	6,244	-1.8	-0.4	-4.7	6,066	5,920	6,186	6,500	-6.7	62,435	64,162
Iron and steel foundries . . . . .	1,274	1,431	1,526	-11.0	-6.2	-3.5	1,357	1,459	1,500	1,440	-5.8	14,659	13,032
Nonferrous and other primary metals . . . . .	7,139	6,968	7,407	+2.5	-5.9	-3.4	7,086	6,800	7,087	7,570	-6.4	73,844	76,815
Fabricated metal products . . . . .	17,851	18,198	17,915	-1.9	+1.6	+1.1	18,527	18,920	18,428	17,256	+7.4	176,528	167,155
Industrial machinery and equipment . . . . .	31,838	32,301	32,354	-1.4	-0.2	-0.7	31,848	35,054	30,252	30,039	+6.0	316,464	295,090
Engines and turbines . . . . .	1,882	1,662	1,618	+13.2	+2.7	-17.5	1,929	2,284	1,552	1,658	+16.3	16,632	17,191
Construction, mining and material handling equipment . . . . .	3,361	3,732	3,705	-9.9	+0.7	+2.7	3,442	3,844	3,353	3,773	-8.8	36,176	34,279
Metalworking machinery . . . . .	3,133	3,199	3,248	-2.1	-1.5	-4.6	3,442	3,563	3,087	3,335	+3.2	31,676	30,609
Computer and office equipment . . . . .	8,851	8,797	9,014	+0.6	-2.4	-0.3	8,180	10,755	8,116	7,516	+8.8	84,405	74,411
Electronic and other electrical equipment . . . . .	31,219	26,640	26,596	+17.2	+0.2	-5.3	33,769	27,716	25,815	29,134	+15.9	268,700	254,131
Electrical transmission and distribution equipment and industrial apparatus . . . . .	3,213	3,154	3,079	+1.9	+2.4	-11.1	3,212	3,447	3,037	3,123	+2.8	31,543	31,057
Electric lighting and wiring equipment . . . . .	2,096	2,003	2,127	+4.6	-5.8	-3.4	2,084	2,182	2,108	1,913	+8.9	20,459	19,611
Communications equipment . . . . .	7,560	5,551	5,621	+36.2	-1.2	-13.2	7,304	6,334	4,950	5,495	+32.9	58,130	51,878
Electronic components . . . . .	12,941	10,687	10,331	+21.1	+3.4	-3.7	14,944	10,011	10,037	12,816	+16.6	105,588	102,479
Transportation equipment . . . . .	41,191	44,637	37,503	-7.7	+19.0	-8.8	42,613	45,989	35,843	39,488	+7.9	406,057	370,624
Aircraft, missiles, space vehicles, and parts . . . . .	11,796	12,956	7,012	-9.0	+84.8	-30.0	11,374	13,305	5,828	8,724	+30.4	106,283	81,019
Shipbuilding and tanks . . . . .	240	534	564	-55.1	-5.3	+83.1	264	553	495	269	-1.9	7,533	5,934
Instruments and related products . . . . .	12,306	12,024	12,109	+2.3	-0.7	-4.2	12,343	13,096	11,696	12,324	+0.2	121,996	116,484
Search and navigation equipment . . . . .	2,383	2,194	2,004	+8.6	+9.5	-1.2	2,271	2,541	1,838	2,222	+2.2	22,600	22,059
Measuring and controlling devices . . . . .	3,788	3,457	3,713	+9.6	-6.9	-4.0	3,685	3,746	3,676	3,764	-2.1	36,880	36,866
Medical instruments and supplies . . . . .	3,931	4,242	4,143	-7.3	+2.4	-3.7	4,066	4,488	4,051	3,990	+1.9	40,075	36,087
All other durable goods . . . . .	18,375	18,255	17,837	+0.7	+2.3	+1.0	19,731	19,416	18,482	17,951	+9.9	176,507	169,766
Nondurable goods industries . . . . .	146,940	144,704	144,308	+1.5	+0.3	-0.4	150,500	151,539	148,433	141,770	+6.2	1,435,129	1,381,689
With unfilled orders . . . . .	35,961	36,121	35,940	-0.4	+0.5	-1.4	36,515	37,743	37,177	36,354	+0.4	359,598	357,800

<sup>p</sup> Preliminary. <sup>r</sup> Revised.

<sup>1</sup> Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month.

Note: Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further details on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-1(95), "Manufacturers' Shipments, Inventories, and Orders: 1982-1995."

**Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS**  
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change Oct. 96/95
	Oct. 1996 <sup>p</sup>	Sept. 1996 <sup>r</sup>	Aug. 1996	Sept.- Oct.	Aug.- Sept.	July- Aug.	Oct. 1996 <sup>p</sup>	Sept. 1996 <sup>r</sup>	Aug. 1996	Oct. 1995	
All manufacturing industries . . . . .	511,062	505,188	501,833	+1.2	+0.7	-0.5	507,424	500,074	501,882	469,380	+8.1
Manufacturing industries without defense capital goods . . . . .	405,853	399,080	394,888	+1.7	+1.1	-0.3	403,717	395,544	396,296	367,410	+9.9
Durable goods industries . . . . .	486,452	480,927	477,821	+1.1	+0.7	-0.5	483,555	475,665	476,981	445,638	+8.5
Stone, clay, and glass products . . . . .	6,468	6,581	6,339	-1.7	+3.8	-2.0	6,302	6,719	6,586	6,882	-8.4
Primary metals . . . . .	31,130	31,567	31,723	-1.4	-0.5	+1.1	29,290	30,147	31,185	27,030	+8.4
Blast furnaces, steel mills . . . . .	12,851	12,924	12,904	-0.6	+0.2	+0.6	12,003	12,331	12,771	11,005	+9.1
Iron and steel foundries . . . . .	4,193	4,338	4,345	-3.3	-0.2	+2.2	4,088	4,235	4,288	3,682	+11.0
Nonferrous and other primary metals . . . . .	14,086	14,305	14,474	-1.5	-1.2	+1.1	13,199	13,581	14,126	12,343	+6.9
Fabricated metal products . . . . .	23,186	22,983	22,575	+0.9	+1.8	+0.5	23,036	23,141	22,941	21,514	+7.1
Industrial machinery and equipment . . . . .	72,655	72,807	73,032	-0.2	-0.3	+0.4	72,590	71,680	72,400	70,394	+3.1
Engines and turbines . . . . .	11,157	10,951	10,962	+1.9	-0.1	-0.1	11,553	11,144	10,911	11,084	+4.2
Construction, mining and material handling equipment . . . . .	9,119	9,433	9,385	-3.3	+0.5	+1.0	8,918	9,133	8,967	8,438	+5.7
Metalworking machinery . . . . .	9,150	9,198	9,190	-0.5	+0.1	+0.5	9,150	9,198	9,190	9,313	-1.8
Computer and office equipment . . . . .	10,098	9,958	10,197	+1.4	-2.3	+0.4	10,401	9,826	10,517	10,389	+0.1
Electronic and other electrical equipment . . . . .	52,921	49,213	49,763	+7.5	-1.1	-0.1	53,674	47,792	50,340	52,339	+2.6
Electrical transmission and distribution equipment and industrial apparatus . . . . .	6,287	6,275	6,310	+0.2	-0.6	-1.2	6,311	6,208	6,353	6,316	-0.1
Electric lighting and wiring equipment . . . . .	4,398	4,328	4,379	+1.6	-1.2	+1.5	4,398	4,328	4,379	3,900	+12.8
Communications equipment . . . . .	15,444	14,120	14,820	+9.4	-4.7	-2.7	15,472	14,118	14,800	14,982	+3.3
Electronic components . . . . .	22,634	20,432	20,184	+10.8	+1.2	+1.4	23,336	19,142	20,661	23,063	+1.2
Transportation equipment . . . . .	245,971	243,660	239,842	+0.9	+1.6	-0.9	244,494	242,293	238,944	212,608	+15.0
Aircraft, missiles, space vehicles, and parts . . . . .	216,659	213,459	209,588	+1.5	+1.8	-1.0	215,352	212,143	208,626	182,037	+18.3
Shipbuilding and tanks . . . . .	16,272	16,782	17,110	-3.0	-1.9	-1.1	16,315	16,761	17,128	17,372	-6.1
Instruments and related products . . . . .	46,322	46,636	47,161	-0.7	-1.1	-1.1	46,306	46,263	46,712	47,241	-2.0
Search and navigation equipment . . . . .	27,882	27,995	28,220	-0.4	-0.8	-1.9	27,659	27,735	27,843	28,836	-4.1
Measuring and controlling devices . . . . .	9,550	9,587	9,908	-0.4	-3.2	-1.2	9,550	9,587	9,908	10,047	-4.9
Medical instruments and supplies . . . . .	7,954	8,135	8,053	-2.2	+1.0	+1.4	8,145	8,010	7,987	7,558	+7.8
All other durable goods . . . . .	7,799	7,480	7,386	+4.3	+1.3	+0.2	7,863	7,630	7,873	7,630	+3.1
Nondurable goods industries . . . . .	24,610	24,261	24,012	+1.4	+1.0	-0.3	23,869	24,409	24,901	23,742	+0.5

<sup>p</sup> Preliminary. <sup>r</sup> Revised.

See note at end of table 2 relating to survey variability.

**Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS**  
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change Oct. 96/95
	Oct. 1996 <sup>p</sup>	Sept. 1996 <sup>r</sup>	Aug. 1996	Sept.- Oct.	Aug.- Sept.	July- Aug.	Oct. 1996 <sup>p</sup>	Sept. 1996 <sup>r</sup>	Aug. 1996	Oct. 1995	
All manufacturing industries . . . . .	437,907	436,700	435,687	+0.3	+0.2	+0.3	438,779	435,970	438,946	432,338	+1.5
Manufacturing industries with unfilled orders . . . . .	294,064	293,015	292,712	+0.4	+0.1	+0.3	294,264	292,493	296,632	290,049	+1.5
without defense capital goods . . . . .	419,045	417,686	416,572	+0.3	+0.3	+0.3	419,645	416,676	419,354	412,100	+1.8
Durable goods industries . . . . .	277,014	276,347	275,926	+0.2	+0.2	+0.4	277,242	275,520	278,690	270,299	+2.6
With unfilled orders . . . . .	254,551	253,687	253,024	+0.3	+0.3	+0.4	255,009	253,177	256,158	248,283	+2.7
Stone, clay, and glass products . . . . .	8,310	8,271	8,252	+0.5	+0.2	+0.6	8,061	8,106	8,255	8,334	-3.3
Primary metals . . . . .	23,753	23,856	23,612	-0.4	+1.0	+0.2	23,702	23,862	23,685	23,625	+0.3
Blast furnaces, steel mills . . . . .	11,943	11,925	11,715	+0.2	+1.8	+1.3	11,979	11,935	11,714	11,447	+4.6
Iron and steel foundries . . . . .	1,479	1,476	1,453	+0.2	+1.6	-0.2	1,454	1,448	1,439	1,368	+6.3
Nonferrous and other primary metals . . . . .	10,331	10,455	10,444	-1.2	+0.1	-0.9	10,269	10,479	10,532	10,810	-5.0
Fabricated metal products . . . . .	26,103	26,071	26,133	+0.1	-0.2	+0.5	25,746	25,821	26,216	26,307	-2.1
Industrial machinery and equipment . . . . .	58,655	58,670	59,201	0.0	-0.9	0.0	58,618	58,130	59,940	57,700	+1.6
Engines and turbines . . . . .	3,867	3,837	3,862	+0.8	-0.6	+0.7	4,031	3,922	4,102	4,109	-1.9
Farm and garden machinery . . . . .	2,831	2,845	2,892	-0.5	-1.6	-0.8	2,667	2,671	2,691	2,567	+3.9
Construction, mining and material handling equipment . . . . .	7,336	7,216	7,215	+1.7	0.0	+0.6	7,285	7,138	7,158	7,054	+3.3
Metalworking machinery . . . . .	7,185	7,150	7,123	+0.5	+0.4	+0.5	7,199	7,241	7,414	6,818	+5.6
Computer and office equipment . . . . .	12,423	12,684	12,952	-2.1	-2.1	-1.4	12,547	12,326	13,451	13,367	-6.1
Electronic and other electrical equipment . . . . .	41,223	41,140	41,062	+0.2	+0.2	+0.3	41,393	41,037	41,731	40,793	+1.5
Electrical transmission and distribution equipment and industrial apparatus . . . . .	4,733	4,734	4,679	0.0	+1.2	0.0	4,797	4,745	4,752	5,297	-9.4
Household appliances . . . . .	2,838	2,814	2,753	+0.9	+2.2	+2.3	2,722	2,638	2,669	2,577	+5.6
Electric lighting and wiring equipment . . . . .	3,295	3,283	3,314	+0.4	-0.9	-0.3	3,311	3,241	3,377	3,499	-5.4
Household audio and video equipment . . . . .	1,512	1,513	1,538	-0.1	-1.6	-1.4	1,488	1,581	1,664	1,537	-3.2
Communications equipment . . . . .	11,378	11,304	11,268	+0.7	+0.3	+2.7	11,419	11,274	11,431	10,730	+6.4
Electronic components . . . . .	13,816	13,917	13,943	-0.7	-0.2	-1.6	14,023	13,970	14,167	13,682	+2.5
Transportation equipment . . . . .	67,827	67,515	67,112	+0.5	+0.6	+0.4	68,427	67,761	67,947	64,412	+6.2
Motor vehicles and parts . . . . .	15,948	15,815	15,812	+0.8	0.0	-0.4	16,023	15,897	16,073	15,485	+3.5
Aircraft, missiles, space vehicles, and parts . . . . .	46,746	46,515	46,095	+0.5	+0.9	+0.4	47,353	46,780	46,669	43,838	+8.0
Shipbuilding and tanks . . . . .	1,877	1,938	1,859	-3.1	+4.2	+3.2	1,821	1,883	1,856	1,745	+4.4
Instruments and related products . . . . .	25,419	25,103	25,049	+1.3	+0.2	+0.5	25,623	25,168	25,485	23,736	+7.9
Search and navigation equipment . . . . .	7,006	6,782	6,719	+3.3	+0.9	+0.4	7,023	6,781	6,857	6,061	+15.9
Measuring and controlling devices . . . . .	8,052	8,030	8,054	+0.3	-0.3	+0.6	8,052	8,029	8,164	7,564	+6.5
Medical instruments and supplies . . . . .	7,429	7,354	7,341	+1.0	+0.2	+0.6	7,555	7,337	7,464	7,064	+7.0
Photographic goods . . . . .	2,290	2,294	2,293	-0.2	0.0	-0.2	2,354	2,385	2,359	2,430	-3.1
All other durable goods . . . . .	25,724	25,721	25,505	0.0	+0.8	+1.7	25,672	25,635	25,431	25,392	+1.1
Nondurable goods industries . . . . .	160,893	160,353	159,761	+0.3	+0.4	+0.1	161,537	160,450	160,256	162,039	-0.3
With unfilled orders . . . . .	39,513	39,328	39,688	+0.5	-0.9	-0.2	39,255	39,316	40,474	41,766	-6.0
Food and kindred products . . . . .	33,282	33,389	33,171	-0.3	+0.7	0.0	35,148	34,092	32,933	34,924	+0.6
Meat products . . . . .	4,080	4,036	3,995	+1.1	+1.0	-0.3	4,080	4,027	3,920	3,872	+5.4
Dairy products . . . . .	3,072	3,085	2,983	-0.4	+3.4	+2.1	3,103	3,101	3,042	2,653	+17.0
Beverages . . . . .	6,321	6,327	6,266	-0.1	+1.0	+1.1	6,460	6,397	6,142	6,336	+2.0
All other foods, except fats and oils . . . . .	17,723	17,928	17,683	-1.1	+1.4	-0.9	19,354	18,884	17,859	20,126	-3.8
Tobacco products . . . . .	5,875	5,728	5,630	+2.6	+1.7	+1.9	6,004	5,696	5,399	5,740	+4.6
Textile mill products . . . . .	10,063	10,042	10,071	+0.2	-0.3	+0.6	9,844	9,830	10,147	10,107	-2.6
Broadwoven fabrics and other textiles . . . . .	5,977	5,977	6,007	0.0	-0.5	+0.6	5,881	5,833	6,040	6,070	-3.1
Paper and allied products . . . . .	16,637	16,727	16,781	-0.5	-0.3	+0.3	16,372	16,555	16,782	17,200	-4.8
Pulp, paper, and paperboard mill products . . . . .	6,904	6,985	7,059	-1.2	-1.0	+0.2	6,800	6,912	7,046	6,830	-0.4
Paperboard containers and boxes . . . . .	4,027	4,012	3,985	+0.4	+0.7	+0.3	3,934	4,018	3,985	4,624	-14.9
Miscellaneous converted paper products . . . . .	5,706	5,730	5,737	-0.4	-0.1	+0.5	5,638	5,625	5,751	5,746	-1.9
Chemicals and allied products . . . . .	39,376	39,251	38,991	+0.3	+0.7	+0.3	38,922	38,892	38,948	38,310	+1.6
Industrial chemicals . . . . .	19,091	19,041	18,810	+0.3	+1.2	+0.7	18,900	18,940	18,765	18,865	+0.2
Drugs, soaps, and toiletries . . . . .	15,301	15,243	15,164	+0.4	+0.5	-0.1	15,240	15,275	15,469	14,885	+2.4
Petroleum and coal products . . . . .	12,582	12,543	12,330	+0.3	+1.7	0.0	12,773	12,744	12,494	11,411	+11.9
Rubber and plastics products . . . . .	15,571	15,470	15,352	+0.7	+0.8	+0.5	15,249	15,147	15,119	14,973	+1.8
All other nondurable goods . . . . .	27,507	27,203	27,435	+1.1	-0.8	-1.0	27,225	27,494	28,434	29,374	-7.3

<sup>p</sup> Preliminary. <sup>r</sup> Revised.

See note at end of table 2 relating to survey variability.

**Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS  
FOR TOPICAL SERIES<sup>1</sup>  
(Millions of dollars)**

Industry	Seasonally adjusted						Not seasonally adjusted <sup>2</sup>						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Oct. 1996 <sup>p</sup>	Sept. 1996 <sup>r</sup>	Aug. 1996	Sept.-Oct.	Aug.-Sept.	July-Aug.	Oct. 1996 <sup>p</sup>	Sept. 1996 <sup>r</sup>	Aug. 1996	Oct. 1995		1996 <sup>p</sup>	1995
SHIPMENTS													
All manufacturing industries . . . . .	315,417	315,160	312,847	+0.1	+0.7	+0.1	323,892	335,330	315,225	308,358	+5.0	3,088,523	2,967,457
Market categories :													
Automotive equipment . . . . .	14,126	14,687	14,211	-3.8	+3.3	-1.1	15,224	15,282	13,922	14,698	+3.6	138,994	133,369
Home goods and apparel . . . . .	18,797	18,701	18,583	+0.5	+0.6	0.0	21,311	21,249	19,935	20,218	+5.4	185,710	177,971
Consumer staples . . . . .	67,933	66,362	66,300	+2.4	+0.1	+0.1	70,027	70,483	68,117	63,611	+10.1	652,931	605,857
Machinery and equipment . . . . .	56,255	57,559	56,255	-2.3	+2.3	+1.5	55,588	62,506	53,429	52,131	+6.6	545,014	509,726
Business supplies . . . . .	24,970	24,944	24,880	+0.1	+0.3	-0.2	25,623	25,833	25,102	24,283	+5.5	245,417	230,381
Construction materials and supplies . . . . .	19,707	19,554	19,619	+0.8	-0.3	-0.8	21,019	20,942	20,769	19,914	+5.5	192,933	188,530
Defense products . . . . .	5,996	6,379	6,282	-6.0	+1.5	+3.4	5,870	6,945	6,188	6,133	-4.3	61,911	63,633
Other materials, supplies and and intermediate products . . . . .	107,633	106,974	106,717	+0.6	+0.2	-0.2	109,230	112,090	107,763	107,370	+1.7	1,065,613	1,057,990
Durable goods industries :													
Nondefense capital goods <sup>3</sup> . . . . .	43,232	44,076	43,304	-1.9	+1.8	+2.4	41,318	49,194	40,612	38,997	+6.0	418,002	392,641
Excluding aircraft and parts . . . . .	37,644	38,428	37,564	-2.0	+2.3	+1.1	36,164	43,142	35,243	34,510	+4.8	367,329	341,763
Defense capital goods <sup>4</sup> . . . . .	5,694	6,086	5,937	-6.4	+2.5	+3.7	5,585	6,629	5,795	5,810	-3.9	58,407	59,725
Durables excluding capital goods . . . . .	119,900	120,543	119,230	-0.5	+1.1	-0.4	125,949	127,476	120,093	120,424	+4.6	1,178,094	1,132,568
Miscellaneous series :													
Producers' durable equipment . . . . .	108,439	110,501	108,836	-1.9	+1.5	+0.7	110,246	118,861	105,720	104,689	+5.3	1,060,902	1,003,911
Household durable goods . . . . .	9,352	9,318	9,188	+0.4	+1.4	+0.2	10,387	10,691	9,480	9,527	+9.0	90,931	82,799
Information technology industries . . . . .	21,107	21,430	21,331	-1.5	+0.5	+1.1	19,684	25,102	19,619	18,740	+5.0	202,463	183,608
Health care equipment and products . . . . .	10,736	10,593	10,306	+1.3	+2.8	-0.8	10,801	11,630	10,326	9,543	+13.2	101,810	93,389
NEW ORDERS													
All manufacturing industries . . . . .	321,291	318,515	310,575	+0.9	+2.6	-2.1	331,242	333,522	311,139	310,080	+6.8	3,121,472	2,972,530
Market categories :													
Automotive equipment . . . . .	14,111	14,684	14,228	-3.9	+3.2	-1.2	15,182	15,245	13,966	14,626	+3.8	138,974	133,201
Home goods and apparel . . . . .	19,221	18,949	18,622	+1.4	+1.8	+1.7	21,198	20,949	19,807	19,433	+9.1	187,378	179,386
Consumer staples . . . . .	67,875	66,255	66,216	+2.4	+0.1	-0.4	69,870	70,265	68,108	63,601	+9.9	653,077	606,048
Machinery and equipment . . . . .	58,999	60,575	54,537	-2.6	+11.1	-6.8	59,390	64,599	51,489	54,663	+8.6	567,318	515,044
Business supplies . . . . .	24,954	24,912	24,801	+0.2	+0.4	-1.0	25,415	25,678	25,097	24,088	+5.5	245,555	230,565
Construction materials and supplies . . . . .	19,627	19,750	19,638	-0.6	+0.6	-0.9	20,671	20,999	20,749	19,620	+5.4	193,294	188,598
Defense products . . . . .	5,268	5,392	5,267	-2.3	+2.4	+3.6	5,211	5,700	4,279	5,733	-9.1	62,277	58,377
Other materials, supplies and and intermediate products . . . . .	111,236	107,998	107,266	+3.0	+0.7	-2.1	114,305	110,087	107,644	108,316	+5.5	1,073,599	1,061,311
Durable goods industries :													
Nondefense capital goods <sup>3</sup> . . . . .	47,525	47,515	41,172	0.0	+15.4	-10.4	46,654	51,901	38,447	40,563	+15.0	442,082	397,503
Excluding aircraft and parts . . . . .	38,478	37,668	36,847	+2.2	+2.2	-4.9	38,041	41,650	34,493	35,391	+7.5	370,078	347,861
Defense capital goods <sup>4</sup> . . . . .	4,795	5,249	4,901	-8.6	+7.1	+2.0	4,762	5,573	3,829	5,454	-12.7	59,003	53,819
Durables excluding capital goods . . . . .	122,031	121,047	120,194	+0.8	+0.7	-1.2	129,326	124,509	120,430	122,293	+5.8	1,185,258	1,139,519
Miscellaneous series :													
Producers' durable equipment . . . . .	109,904	113,352	107,446	-3.0	+5.5	-3.5	112,561	120,213	104,394	107,556	+4.7	1,081,916	1,011,925
Household durable goods . . . . .	9,658	9,365	9,166	+3.1	+2.2	+2.3	10,547	10,445	9,457	9,164	+15.1	91,909	83,464
Information technology industries . . . . .	22,654	20,132	20,497	+12.5	-1.8	-6.0	21,673	23,354	18,870	19,291	+12.3	202,756	185,869
Health care equipment and products . . . . .	10,555	10,676	10,420	-1.1	+2.5	-2.4	10,937	11,652	10,414	10,034	+9.0	102,458	93,004

<sup>p</sup> Preliminary. <sup>r</sup> Revised.

<sup>1</sup> Topical series are regroupings of the separate industry categories.

<sup>2</sup> Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

<sup>3</sup> Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and material handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and service industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships and tank components; railroad equipment; and search and navigation equipment.

<sup>4</sup> Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, tanks and tank components; and search and navigation equipment.

See note at end of table 2 relating to survey variability.

**Table 6. VALUE OF MANUFACTURERS' UNFULFILLED ORDERS AND TOTAL INVENTORIES  
FOR TOPICAL SERIES<sup>1</sup>  
(Millions of dollars)**

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change Oct. 96/95
	Oct. 1996 <sup>p</sup>	Sept. 1996 <sup>r</sup>	Aug. 1996	Sept.- Oct.	Aug.- Sept.	July- Aug.	Oct. 1996 <sup>p</sup>	Sept. 1996 <sup>r</sup>	Aug. 1996	Oct. 1995	
UNFULFILLED ORDERS											
All manufacturing industries . . . . .	511,062	505,188	501,833	+1.2	+0.7	-0.5	507,424	500,074	501,882	469,380	+8.1
Market categories :											
Automotive equipment . . . . .	1,933	1,949	1,952	-0.8	-0.2	+0.8	1,898	1,940	1,977	1,996	-4.9
Home goods and apparel . . . . .	9,658	9,234	8,987	+4.6	+2.7	+0.4	9,278	9,391	9,691	8,603	+7.8
Consumer staples . . . . .	1,961	2,019	2,126	-2.9	-5.0	-3.8	1,972	2,129	2,347	1,868	+5.6
Machinery and equipment . . . . .	231,379	228,634	225,618	+1.2	+1.3	-0.8	231,167	227,364	225,270	201,402	+14.8
Business supplies . . . . .	6,493	6,509	6,541	-0.2	-0.5	-1.2	6,375	6,584	6,738	6,274	+1.6
Construction materials and supplies . . . . .	15,880	15,960	15,764	-0.5	+1.2	+0.1	15,639	15,987	15,929	15,480	+1.0
Defense products . . . . .	100,264	100,993	101,980	-0.7	-1.0	-1.0	98,738	99,396	100,641	96,882	+1.9
Other materials, supplies and and intermediate products . . . . .	143,494	139,890	138,865	+2.6	+0.7	+0.4	142,357	137,283	139,289	136,875	+4.0
Durable goods industries :											
Nondefense capital goods <sup>3</sup> . . . . .	251,351	247,058	243,619	+1.7	+1.4	-0.9	251,254	245,918	243,211	219,530	+14.5
Excluding aircraft and parts . . . . .	98,170	97,336	98,096	+0.9	-0.8	-0.7	98,073	96,196	97,688	95,758	+2.4
Defense capital goods <sup>4</sup> . . . . .	105,209	106,108	106,945	-0.8	-0.8	-1.0	103,707	104,530	105,586	101,970	+1.7
Durables excluding capital goods . . . . .	129,892	127,761	127,257	+1.7	+0.4	+0.8	128,594	125,217	128,184	124,138	+3.6
Miscellaneous series :											
Producers' durable equipment . . . . .	263,524	262,059	259,208	+0.6	+1.1	-0.5	263,358	261,043	259,691	235,921	+11.6
Household durable goods . . . . .	5,993	5,687	5,640	+5.4	+0.8	-0.4	5,952	5,792	6,038	5,726	+3.9
Information technology industries . . . . .	38,211	36,664	37,962	+4.2	-3.4	-2.1	38,536	36,547	38,295	38,880	-0.9
Health care equipment and products . . . . .	7,984	8,164	8,082	-2.2	+1.0	+1.4	8,176	8,040	8,018	7,587	+7.8
TOTAL INVENTORIES											
All manufacturing industries . . . . .	437,907	436,700	435,687	+0.3	+0.2	+0.3	438,779	435,970	438,946	432,338	+1.5
Market categories :											
Automotive equipment . . . . .	8,219	8,217	8,257	0.0	-0.5	0.0	8,181	8,177	8,356	7,639	+7.1
Home goods and apparel . . . . .	32,321	32,199	31,941	+0.4	+0.8	+0.8	31,534	31,989	32,502	31,757	-0.7
Consumer staples . . . . .	64,641	64,497	64,068	+0.2	+0.7	0.0	66,444	65,400	64,235	65,342	+1.7
Machinery and equipment . . . . .	112,083	111,454	111,479	+0.6	0.0	+0.7	112,475	110,920	112,793	105,519	+6.6
Business supplies . . . . .	26,142	25,877	25,849	+1.0	+0.1	-0.1	26,190	25,967	26,276	26,529	-1.3
Construction materials and supplies . . . . .	25,974	25,957	25,890	+0.1	+0.3	+0.3	25,706	25,712	25,844	26,277	-2.2
Defense products . . . . .	18,680	18,781	18,830	-0.5	-0.3	-0.7	18,910	19,012	19,255	19,908	-5.0
Other materials, supplies and and intermediate products . . . . .	149,847	149,718	149,373	+0.1	+0.2	+0.2	149,339	148,793	149,685	149,367	0.0
Durable goods industries :											
Nondefense capital goods <sup>3</sup> . . . . .	106,083	105,459	105,350	+0.6	+0.1	+0.8	106,628	104,957	106,756	100,415	+6.2
Excluding aircraft and parts . . . . .	71,424	71,293	71,735	+0.2	-0.6	+0.3	71,594	70,789	72,881	70,639	+1.4
Defense capital goods <sup>4</sup> . . . . .	18,862	19,014	19,115	-0.8	-0.5	-0.8	19,134	19,294	19,592	20,238	-5.5
Durables excluding capital goods . . . . .	152,069	151,874	151,461	+0.1	+0.3	+0.3	151,480	151,269	152,342	149,646	+1.2
Miscellaneous series :											
Producers' durable equipment . . . . .	179,104	178,325	178,125	+0.4	+0.1	+0.7	179,182	177,524	180,031	172,115	+4.1
Household durable goods . . . . .	15,614	15,545	15,297	+0.4	+1.6	+2.6	15,375	15,420	15,550	14,743	+4.3
Information technology industries . . . . .	36,402	36,496	36,721	-0.3	-0.6	+0.1	36,632	36,169	37,563	36,049	+1.6
Health care equipment and products . . . . .	15,748	15,642	15,587	+0.7	+0.4	+0.2	15,839	15,641	15,870	15,161	+4.5

See footnotes at end of table 5.

See note at end of table 2 relating to survey variability.

**Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION,  
BY INDUSTRY GROUP**  
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change Oct. 96/95
	Oct. 1996 <sup>p</sup>	Sept. 1996 <sup>r</sup>	Aug. 1996	Sept.- Oct.	Aug.- Sept.	July- Aug.	Oct. 1996 <sup>p</sup>	Sept. 1996 <sup>r</sup>	Aug. 1996	Oct. 1995	
MATERIALS AND SUPPLIES											
All manufacturing industries . . . . .	143,391	143,597	143,378	-0.1	+0.2	-0.3	143,895	143,474	143,997	146,514	-1.8
Durable goods industries . . . . .	82,686	83,373	83,250	-0.8	+0.1	-0.4	83,333	83,715	84,152	84,535	-1.4
Stone, clay, and glass products . . . . .	2,822	2,785	2,790	+1.3	-0.2	+0.6	2,827	2,787	2,833	2,831	-0.1
Primary metals . . . . .	7,747	7,771	7,555	-0.3	+2.9	+0.2	7,895	7,852	7,610	7,711	+2.4
Fabricated metal products . . . . .	9,816	9,647	9,671	+1.8	-0.2	+0.5	9,732	9,587	9,705	9,472	+2.7
Industrial machinery and equipment Electronic and other . . . . .	17,001	17,676	18,021	-3.8	-1.9	0.0	17,048	17,734	18,413	18,240	-6.5
electrical equipment . . . . .	14,352	14,397	14,400	-0.3	0.0	-1.4	14,542	14,508	14,662	15,631	-7.0
Transportation equipment . . . . .	12,702	12,723	12,627	-0.2	+0.8	-2.2	12,692	12,658	12,693	12,165	+4.3
Instruments and related products . . . . .	7,875	7,915	7,810	-0.5	+1.3	+0.5	7,879	7,946	7,871	7,371	+6.9
Lumber, furniture and miscellaneous durable goods . . . . .	10,371	10,459	10,376	-0.8	+0.8	+0.6	10,718	10,643	10,365	11,114	-3.6
Nondurable goods industries . . . . .	60,705	60,224	60,128	+0.8	+0.2	-0.2	60,562	59,759	59,845	61,979	-2.3
Food and kindred products . . . . .	11,653	11,573	11,603	+0.7	-0.3	-0.7	11,995	11,224	11,167	11,868	+1.1
Tobacco products . . . . .	4,768	4,733	4,700	+0.7	+0.7	+1.9	4,587	4,622	4,566	4,470	+2.6
Textile mill products . . . . .	3,019	2,956	2,948	+2.1	+0.3	+0.8	2,932	2,879	2,956	2,932	0.0
Paper and allied products . . . . .	7,787	7,791	7,840	-0.1	-0.6	-0.1	7,809	7,817	7,855	8,799	-11.3
Chemicals and allied products . . . . .	13,100	13,072	12,847	+0.2	+1.8	0.0	13,045	13,027	12,818	12,812	+1.8
Petroleum and coal products . . . . .	4,411	4,322	4,210	+2.1	+2.7	+1.0	4,443	4,343	4,287	3,947	+12.6
Rubber and plastics products . . . . .	5,922	5,872	5,837	+0.9	+0.6	+0.1	5,827	5,840	5,776	5,847	-0.3
Apparel, printing and publishing and leather goods . . . . .	10,045	9,905	10,143	+1.4	-2.3	-1.8	9,924	10,007	10,420	11,304	-12.2
WORK IN PROCESS											
All manufacturing industries . . . . .	145,678	144,810	144,967	+0.6	-0.1	+0.5	147,403	145,802	146,832	141,416	+4.2
Durable goods industries . . . . .	119,595	118,830	118,867	+0.6	0.0	+0.4	120,491	119,370	120,658	115,024	+4.8
Stone, clay, and glass products . . . . .	1,248	1,217	1,205	+2.5	+1.0	+0.7	1,173	1,187	1,209	1,183	-0.8
Primary metals . . . . .	8,965	8,943	8,915	+0.2	+0.3	-0.8	8,921	8,972	8,980	8,873	+0.5
Fabricated metal products . . . . .	7,110	7,290	7,374	-2.5	-1.1	+0.4	7,163	7,347	7,489	8,002	-10.5
Industrial machinery and equipment Electronic and other . . . . .	23,524	23,317	23,645	+0.9	-1.4	-1.4	23,826	23,510	24,136	23,609	+0.9
electrical equipment . . . . .	15,585	15,574	15,604	+0.1	-0.2	+1.8	15,574	15,475	15,732	14,043	+10.9
Transportation equipment . . . . .	47,083	46,704	46,282	+0.8	+0.9	+1.0	47,707	47,072	46,942	44,324	+7.6
Instruments and related products . . . . .	11,429	11,137	11,222	+2.6	-0.8	+0.8	11,492	11,147	11,490	10,299	+11.6
Lumber, furniture and miscellaneous durable goods . . . . .	4,651	4,648	4,620	+0.1	+0.6	+1.1	4,635	4,660	4,680	4,691	-1.2
Nondurable goods industries . . . . .	26,083	25,980	26,100	+0.4	-0.5	+1.1	26,912	26,432	26,174	26,392	+2.0
Food and kindred products . . . . .	4,629	4,654	4,626	-0.5	+0.6	+6.7	5,264	4,834	4,276	5,065	+3.9
Tobacco products . . . . .	284	242	268	+17.4	-9.7	-3.6	403	290	244	339	+18.9
Textile mill products . . . . .	2,722	2,723	2,735	0.0	-0.4	+0.1	2,709	2,740	2,756	2,842	-4.7
Paper and allied products . . . . .	1,753	1,776	1,774	-1.3	+0.1	+0.1	1,688	1,761	1,804	1,648	+2.4
Chemicals and allied products . . . . .	6,674	6,726	6,840	-0.8	-1.7	+0.4	6,652	6,770	6,927	6,537	+1.8
Petroleum and coal products . . . . .	2,576	2,522	2,491	+2.1	+1.2	+0.4	2,621	2,572	2,571	2,273	+15.3
Rubber and plastics products . . . . .	2,024	2,072	2,061	-2.3	+0.5	+1.3	2,056	2,055	2,033	2,086	-1.4
Apparel, printing and publishing and leather goods . . . . .	5,421	5,265	5,305	+3.0	-0.8	-1.1	5,519	5,410	5,563	5,602	-1.5
FINISHED GOODS											
All manufacturing industries . . . . .	148,838	148,293	147,342	+0.4	+0.6	+0.6	147,481	146,694	148,117	144,408	+2.1
Durable goods industries . . . . .	74,733	74,144	73,809	+0.8	+0.5	+1.3	73,418	72,435	73,880	70,740	+3.8
Stone, clay, and glass products . . . . .	4,240	4,269	4,257	-0.7	+0.3	+0.5	4,061	4,132	4,213	4,320	-6.0
Primary metals . . . . .	7,041	7,142	7,142	-1.4	0.0	+1.7	6,886	7,038	7,095	7,041	-2.2
Fabricated metal products . . . . .	9,177	9,134	9,088	+0.5	+0.5	+0.5	8,851	8,887	9,022	8,833	+0.2
Industrial machinery and equipment Electronic and other . . . . .	18,130	17,677	17,535	+2.6	+0.8	+1.9	17,744	16,886	17,391	15,851	+11.9
electrical equipment . . . . .	11,286	11,169	11,058	+1.0	+1.0	+0.4	11,277	11,054	11,337	11,119	+1.4
Transportation equipment . . . . .	8,042	8,088	8,203	-0.6	-1.4	+1.2	8,028	8,031	8,312	7,923	+1.3
Instruments and related products . . . . .	6,115	6,051	6,017	+1.1	+0.6	0.0	6,252	6,075	6,124	6,066	+3.1
Lumber, furniture and miscellaneous durable goods . . . . .	10,702	10,614	10,509	+0.8	+1.0	+3.0	10,319	10,332	10,386	9,587	+7.6
Nondurable goods industries . . . . .	74,105	74,149	73,533	-0.1	+0.8	-0.1	74,063	74,259	74,237	73,668	+0.5
Food and kindred products . . . . .	17,000	17,162	16,942	-0.9	+1.3	-1.3	17,889	18,034	17,490	17,991	-0.6
Tobacco products . . . . .	823	753	662	+9.3	+13.7	+4.4	1,014	784	589	931	+8.9
Textile mill products . . . . .	4,322	4,363	4,388	-0.9	-0.6	+0.9	4,203	4,211	4,435	4,333	-3.0
Paper and allied products . . . . .	7,097	7,160	7,167	-0.9	-0.1	+0.9	6,875	6,977	7,123	6,753	+1.8
Chemicals and allied products . . . . .	19,602	19,453	19,304	+0.8	+0.8	+0.5	19,225	19,095	19,203	18,961	+1.4
Petroleum and coal products . . . . .	5,595	5,699	5,629	-1.8	+1.2	-0.8	5,709	5,829	5,636	5,191	+10.0
Rubber and plastics products . . . . .	7,625	7,526	7,454	+1.3	+1.0	+0.6	7,366	7,252	7,310	7,040	+4.6
Apparel, printing and publishing and leather goods . . . . .	12,041	12,033	11,987	+0.1	+0.4	-0.3	11,782	12,077	12,451	12,468	-5.5

<sup>p</sup> Preliminary. <sup>r</sup> Revised.

See note at end of table 2 relating to survey variability.



**Table 8. RATIOS OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP**  
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio <sup>1</sup>			
	Oct. 1996 <sup>p</sup>	Sept. 1996 <sup>r</sup>	Aug. 1996	July 1996	Oct. 1996 <sup>p</sup>	Sept. 1996 <sup>r</sup>	Aug. 1996	July 1996
All manufacturing industries . . . . .	1.39	1.39	1.39	1.39	2.97	2.91	2.91	2.94
Durable goods industries . . . . .	1.64	1.62	1.64	1.64	3.56	3.50	3.51	3.54
Stone, clay, and glass products . . . . .	1.16	1.20	1.20	1.15	0.95	1.01	0.97	0.96
Primary metals . . . . .	1.59	1.61	1.59	1.56	2.08	2.14	2.14	2.08
Fabricated metal products . . . . .	1.48	1.47	1.47	1.48	1.41	1.39	1.36	1.37
Industrial machinery and equipment . . . . .	1.83	1.80	1.85	1.87	2.41	2.39	2.43	2.45
Electronic and other electrical equipment . . . . .	1.50	1.51	1.54	1.54	1.92	1.81	1.87	1.87
Transportation equipment . . . . .	1.74	1.65	1.69	1.70	12.97	12.18	12.11	12.67
Instruments and related products . . . . .	2.01	2.00	1.98	1.95	3.67	3.72	3.73	3.73
Nondurable goods industries . . . . .	1.10	1.11	1.11	1.10	0.69	0.68	0.67	0.67
Food and kindred products . . . . .	0.85	0.86	0.85	0.85	(X)	(X)	(X)	(X)
Tobacco products . . . . .	2.02	2.03	1.96	1.93	(X)	(X)	(X)	(X)
Textile mill products . . . . .	1.57	1.55	1.57	1.53	(NA)	(NA)	(NA)	(NA)
Paper and allied products . . . . .	1.25	1.26	1.27	1.24	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products . . . . .	1.22	1.25	1.24	1.23	(X)	(X)	(X)	(X)
Petroleum and coal products . . . . .	0.75	0.79	0.81	0.83	(X)	(X)	(X)	(X)
Rubber and plastics products . . . . .	1.32	1.31	1.29	1.26	(X)	(X)	(X)	(X)

<sup>p</sup> Preliminary. <sup>r</sup> Revised. (X) Not applicable. (NA) Not available.

<sup>1</sup> Excludes the following industries with no unfilled orders : Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

**Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES**  
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Oct. <sup>1</sup> 1996	Oct. <sup>2</sup> 1991-1995	Oct. 1995-Sept. 1996	Oct. <sup>1</sup> 1996	Oct. <sup>2</sup> 1991-1995	Oct. 1995-Sept. 1996	Oct. <sup>1</sup> 1996	Oct. <sup>2</sup> 1991-1995	Oct. 1995-Sept. 1996	Oct. <sup>1</sup> 1996	Oct. <sup>2</sup> 1991-1995	Oct. 1995-Sept. 1996
All manufacturing industries . . . . .	(X)	0.1	0.1	(X)	0.1	0.3	(X)	0.0	0.1	(X)	0.0	0.1
Durable goods industries . . . . .	0.1	0.2	0.2	0.2	0.1	0.4	0.0	0.1	0.1	(X)	0.1	0.1
Stone, clay, and glass products . . . . .	(X)	0.6	0.5	(X)	1.4	0.8	(X)	1.0	0.7	(X)	0.3	0.1
Primary metals . . . . .	0.1	0.4	0.5	0.1	0.5	0.8	-0.3	0.1	0.4	(X)	0.1	0.1
Fabricated metal products . . . . .	(X)	0.1	0.4	(X)	0.4	0.4	(X)	0.3	0.3	(X)	0.1	0.2
Industrial machinery and equipment . . . . .	0.4	0.5	0.5	0.9	0.8	0.6	0.2	0.2	0.2	(X)	0.1	0.1
Electronic and other electrical equipment . . . . .	0.1	0.4	0.3	-0.1	0.9	0.5	-0.1	0.2	0.3	(X)	0.1	0.2
Transportation equipment . . . . .	0.2	0.3	0.6	0.2	0.5	1.3	-0.1	0.1	0.2	(X)	0.1	0.3
Instruments and related products . . . . .	(X)	0.3	0.5	(X)	1.3	0.9	(X)	0.3	0.3	(X)	0.1	0.1
Nondurable goods industries . . . . .	(X)	0.1	0.1	(X)	0.1	0.1	(X)	0.2	0.2	(X)	0.1	0.1
Food and kindred products . . . . .	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.1
Tobacco products . . . . .	(X)	0.2	0.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.0
Textile mill products . . . . .	(X)	0.2	0.3	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.1
Paper and allied products . . . . .	(X)	0.1	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.1	0.2
Chemicals and allied products . . . . .	(X)	0.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
Petroleum and coal products . . . . .	(X)	0.3	0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.3
Rubber and plastics products . . . . .	(X)	0.1	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
Capital goods industries :												
Nondefense . . . . .	0.3	0.4	0.4	0.6	0.4	0.6	0.0	0.0	0.1	(X)	0.1	0.3
Defense . . . . .	0.2	0.5	0.8	-0.2	2.0	5.8	0.0	0.1	0.3	(X)	0.3	0.4

(X) Not applicable. (NA) Not available.

Note : The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

<sup>1</sup> The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

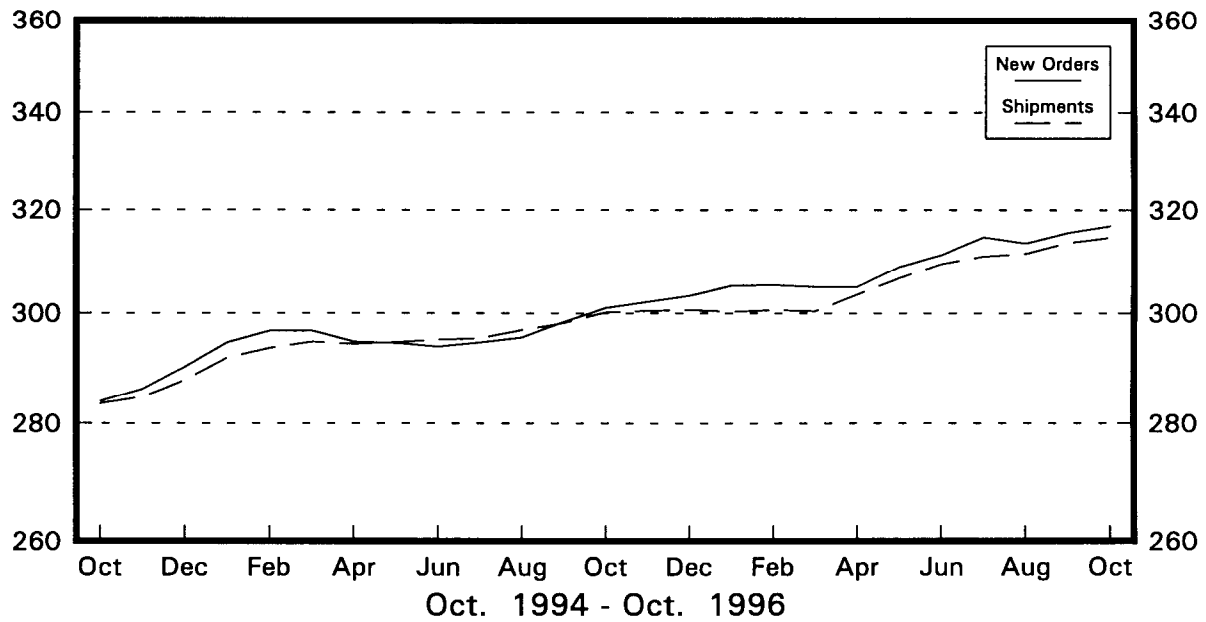
<sup>2</sup> Average for this month for the last five years.

See note at end of table 2 relating to survey variability.

## Total Manufacturing

New Orders and Shipments  
Three Month Moving Averages

Billions of Dollars

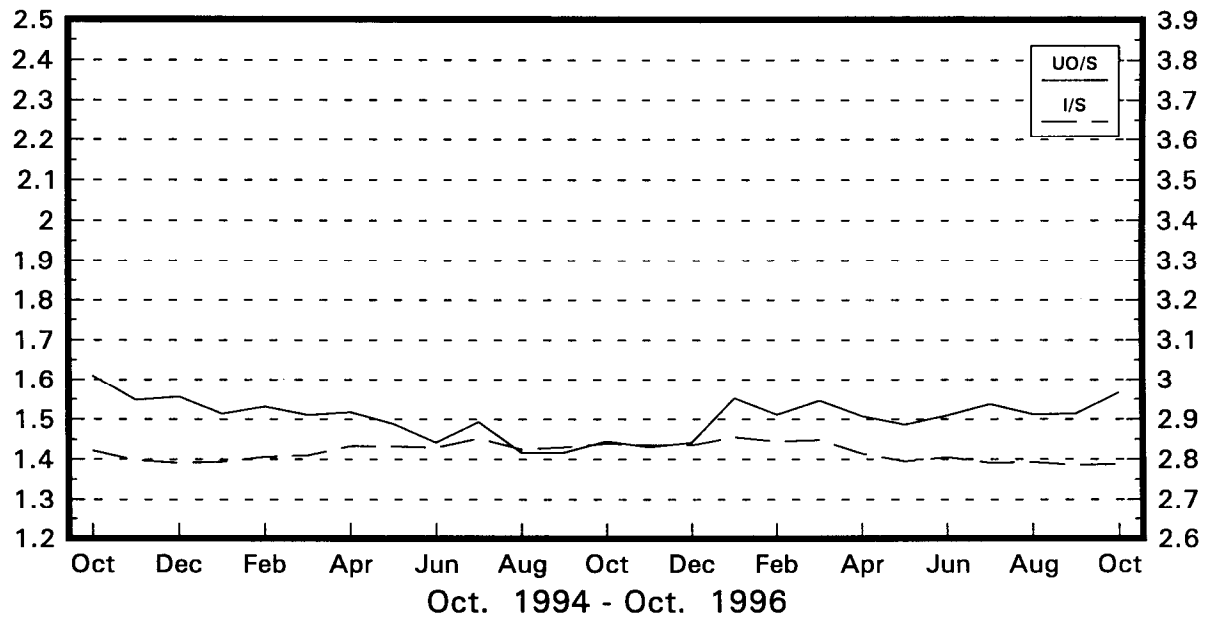


## Total Manufacturing

Ratio of Unfilled Orders and  
Inventories to Shipments

I/S Ratios

UO/S Ratios



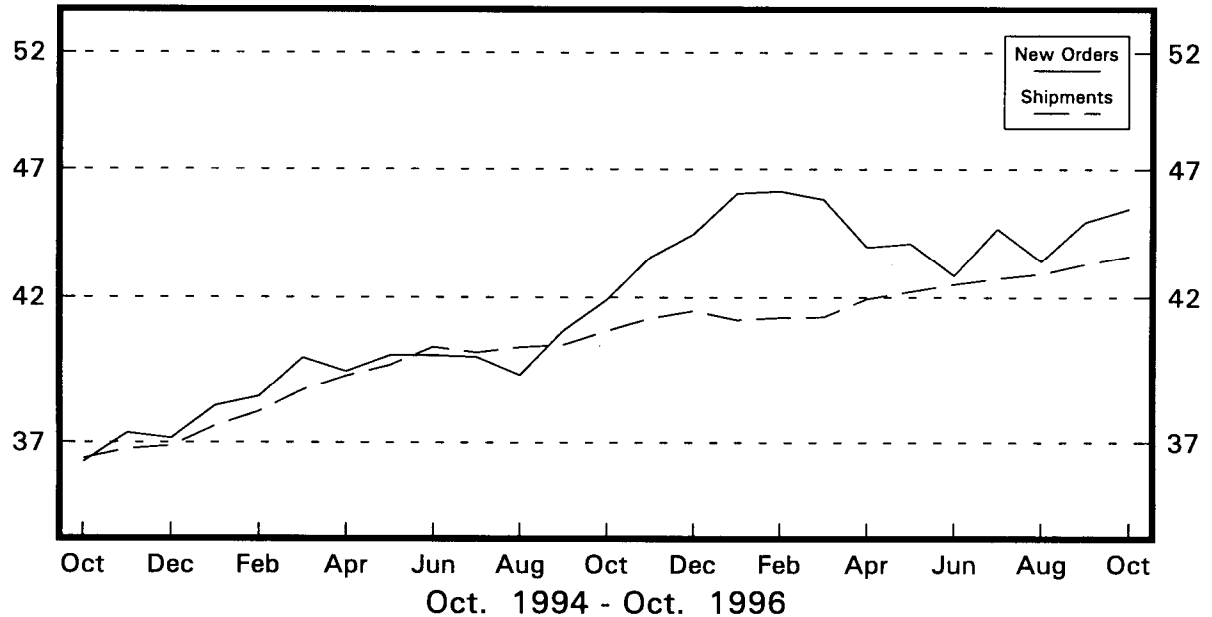
Note: All Charts based on seasonally adjusted current dollars.

## Nondefense Capital Goods

11

New Orders and Shipments  
Three Month Moving Averages

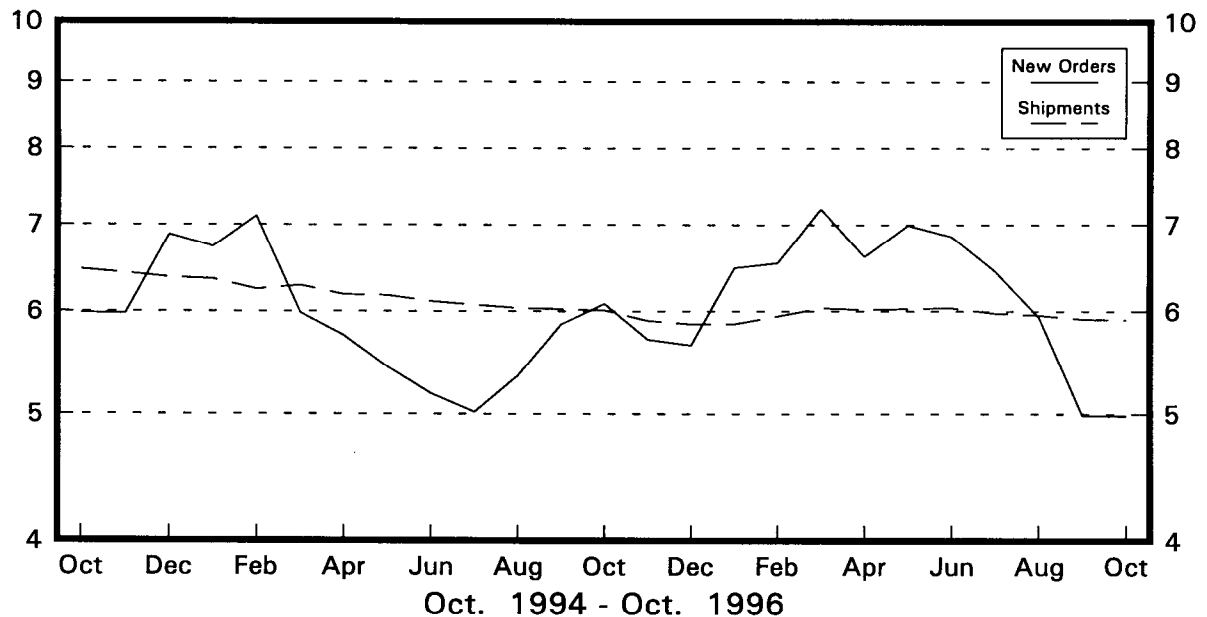
Billions of Dollars



## Defense Capital Goods

New Orders and Shipments  
Three Month Moving Averages

Billions of Dollars



Note: All Charts based on seasonally  
adjusted current dollars.